



# 4U60 STORAGE ENCLOSURE

The HGST 4U60 Storage Enclosure is a high density, scalable, and cost-effective design, using 60 Ultrastar He<sup>8</sup> 3.5-inch drive modules in a 4U enclosure. It offers 2x2x4-lane SAS 12GB/s performance, high availability (HA), and hot-swappable components. The design is targeted towards data centers that need a dense solution with HA capabilities, while maintaining a low power profile.

## Specifications

### Capacity / Physical Size

Capacity <sup>1</sup>	480TB
Height	174.8 mm (6.88 in.) -- 4 Rack Units
Width	424 mm (16.69 in.)
Depth	983 mm (38.7 in.) – including cable management
Weight	89.81 kg (198 lbs.)

### Power and Cooling: Operating

Two 1650W PSUs, hot-swap and redundant
200-240VAC auto-ranging, 47Hz-63Hz input
N+1 redundant fans (fans integrated in PSU)

Environmental	OPERATING	NON-OPERATING
Temperature range	10° to 40°C	-40° to 60°C
Humidity	8% to 80% (non-condensing)	8% to 80% (non-condensing)
Shock	3.5g 6ms Pulse vertical shock	8g 6ms Trapezoidal
Vibration	Random 0.25 Grms, 5-10Hz 0.05 g sine wave sweep, 10-300Hz	Random 0.6 Grms 10-300Hz
Acoustics	<7.5dB LwA @ 23°C	

<sup>1</sup> One MB is equal to one million bytes, one GB is equal to one billion bytes, one TB equals 1,000GB (one trillion bytes) and one PB equals 1,000TB when referring to storage capacity. Usable capacity will vary from the raw capacity due to object storage methodologies and other factors

<sup>2</sup> Up to 4 storage enclosures supported for daisy-chaining



4U enclosure  
60 Ultrastar® He<sup>8</sup> modules  
480TB capacity<sup>1</sup>

## Features

- 60 integrated Ultrastar® He<sup>8</sup> drive modules
  - Available with 512e or 4Kn sector size (by part number)
- Host connectivity 2 x SAS QSFP+ receptacles per IO Module
  - QSFP+ to HD mini SAS cables for host and QSFP+ to QSFP+ cables for daisy-chaining<sup>2</sup> enclosures available
- Hot Swappable: two power supplies (with integrated fans), drive modules, and IO modules
- Fully compliant with SAS 3.0 specification for operation up to 12Gbps
- T10 Zoning
- Cable management arm simplifies maintenance of hot-swappable CRUs
- SCSI Enclosure Services (SES-3)